

MIL-DTL-83513/6E
25 June 2002
SUPERSEDING
MIL-PRF-83513/6D
15 August 1997

CONNECTORS, ELECTRICAL, RECTANGULAR, PLUG, MICROMINIATURE,
POLARIZED SHELL, PIN CONTACTS, CLASS P, SOLDER TYPE,

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-83513.



2

MIL-DTL-83513/6E

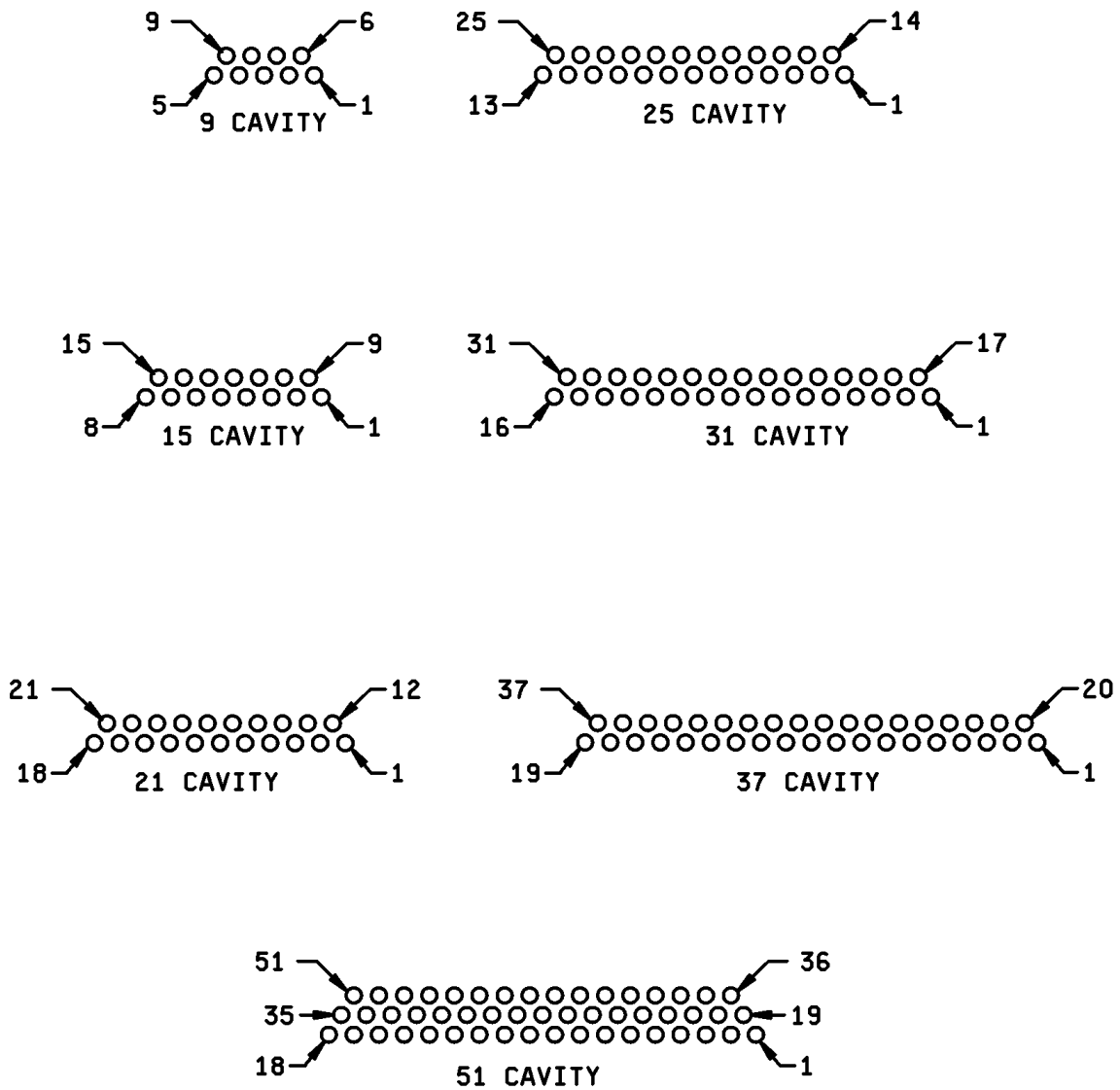
Number of cavities	A \pm .010	B BSC	C $+.010$ $-.018$	D BSC
9	.778 (19.76)	.2918 (7.412)	.398 (10.11)	.565 (14.35)
15	.928 (23.57)	.4418 (11.222)	.548 (13.92)	.715 (18.16)
21	1.07 (27.38)	.5918 (15.032)	.698 (17.73)	.865 (21.97)
25	1.178 (29.92)	.6918 (17.572)	.798 (20.27)	.965 (24.51)
31	1.328 (33.73)	.8418 (21.382)	.948 (24.08)	1.115 (28.32)
37	1.478 (37.54)	.9918 (25.192)	1.098 (27.89)	1.265 (32.13)
51	1.428 (36.27)	.9418 (23.922)	1.048 (26.62)	1.215 (30.86)

Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.0019	0.048	.014	0.36	.036	0.91	.088	2.24	.1342	3.409	.191	4.85
.002	0.05	.018	0.46	.045	1.14	.0884	2.245	.135	3.43	.200	5.08
.0038	0.097	.023	0.58	.0452	1.148	.093	2.36	.137	3.48	.208	2.08
.004	0.10	.025	0.64	.0459	1.166	.094	2.39	.154	3.91	.220	5.59
.005	0.13	.027	0.69	.050	1.27	.095	2.41	.179	4.39	.250	6.35
.006	0.15	.032	0.81	.0669	1.669	.110	2.79	.1772	4.501	.340	8.64
.010	0.25	.033	0.84	.070	1.78	.1138	2.89	.180	4.57	.375	9.52

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are \pm .005 (0.13 mm).
4. Metric equivalents are in parentheses or columns.
5. Solder cup will accept size 26 AWG maximum wire.

FIGURE 1. Connector, plug, .050 spacing - Continued.



NOTES:

1. Engaging face of pin insert shown.
2. Cavity identification numbers are for reference only and do not appear on part.

FIGURE 2. Insert arrangement.

MIL-DTL-83513/6E

REQUIREMENTS:

Dimensions and configurations: See figure 1. This specification sheet describes the pin side of a rectangular plastic shell connector. This connector uses reverse gender contact, i.e., the live pin recessed in the insulator with the static socket protruding from a shrouded interface.

Material and finish:

Shell: The requirements for shell materials shall be in accordance with MIL-DTL-83513.

Contact identification: See figure 2 for contact layout identification.

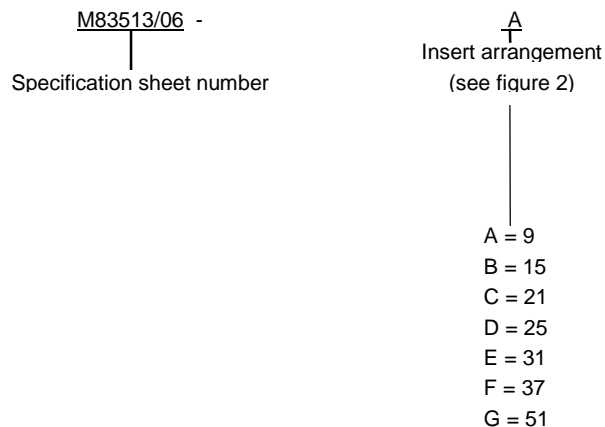
Contact connection: The pin contact (being recessed in the insulator) is normally connected to the live side of the circuit.

Current rating, maximum: 3 amperes per contact.

Mounting and mating hardware: Mounting hardware is to be ordered separately. For insert arrangements A through G, use MIL-DTL-83513/5, configurations A and B. For insert arrangement H, use MIL-DTL-83513/5, configuration C.

Mating receptacle: Shall conform to MIL-DTL-83513/7 or MIL-DTL-83513/9.

Example of Part or Identifying Number (PIN):



CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 11
NASA - NA
DLA - CC

Preparing activity:

DLA - CC

(Project: 5935-4310-006)

Review activities:

Army - AT, MI
Navy - AS, CG, MC, SH
Air Force - 99